



Stanley Consultants Inc.

Computed by Barb Veal Date 16-Jul-09
 Checked by Mike Helms Date 16-Jul-09
 Approved by _____ Date _____

Job No. 21956 Page No.
 Subject Construct a Demountable Floodwall - Year
 2008 Flood Occurrence

Sheet No. 2 of 2

Construct demountable wall - Vinton Municipal Electric Utility Buildings
2008 Flood Occurrence Protection

Item Description	Quantity		Labor & Material	
	# Units	Unit Measure	\$/Unit	Total
Demountable Wall (10.5' Height)				
Length	815	(LF)		
Reinforced Concrete	362	(CY)	\$600.00	\$217,333
Sheet pile (depth = 30')	2717	(SY)	\$252.00	\$684,600
Demountable Floodwall Area	8598	(SF)	\$200.00	\$1,719,650
Demountable Wall (8.0' Height)				
Length	425	(LF)		
Reinforced Concrete	189	(CY)	\$600.00	\$113,333
Sheet pile (depth = 30')	1417	(SY)	\$252.00	\$357,000
Demountable Floodwall Area	3400	(SF)	\$200.00	\$680,000
Demountable Wall (4.0' Height)				
Length	725	(LF)		
Reinforced Concrete	322	(CY)	\$600.00	\$193,333
Sheet pile (depth = 30')	2417	(SY)	\$252.00	\$609,000
Demountable Floodwall Area	2900	(SF)	\$200.00	\$580,000
Storm Sewers				
12" - 24" (Excavation, Install pipe, backfill & compaction, pavement removal/replacement)	100	(LF)	\$165.00	\$16,500
24" - 36" (Excavation, Install pipe, backfill & compaction, pavement removal/replacement)	100	(LF)	\$205.00	\$20,500
Storm Water Pump Structure with Discharge Pipe and Gate Well/Closure	2	(EACH)	\$150,000.00	\$300,000
Backup Generator	2	(EACH)	\$40,000.00	\$80,000
			Subtotal	\$ 5,571,250
			Undeveloped Design Details (15%)	\$ 835,688
			Contractor Overhead (15%)	\$ 961,041
			Contractor Profit (10%)	\$ 640,694
			Subtotal	\$ 8,008,672
			Engineering Design and Construction Phase Services (20%)	\$ 1,601,734
			Total	\$ 9,610,406

Notes: 1) Cost does not include construction of building
 to store demountable wall sections.
 2) Costs based on minimum existing storm sewer utility information.
 3) Costs provided by Stanley Cost Estimating Department (2009)
 4) No detailed topographical or utility survey was conducted.
 5) Cost reflects wall heights of 8' and 4' which are approximate average heights.
 The actual height of designed wall aligned to the south would taper to a lower height
 from the required 10.5' demountable height along the river front.

June 8, 2009

Mr. Rick Orht
General Manager
Vinton Municipal electric Utility
Vinton, IA

RE: Site Survey for Flood Abatement Design

Dear Mr. Orht:

We estimate a cost of \$9,800.00 for the survey as shown in the Site Survey specifications by Stanley Consultants.

The specifications are very detailed as to the density of the elevations required. An adjustment to the level of detail required would help the cost of the survey and still maintain the level of accuracy needed.

We would plan to complete the work within three weeks of notice to proceed.

If you have any questions, please call. Thank you for your consideration.

Sincerely,
Brain Engineering, Inc.



S. Michael Brain, PE & LS
Vice President